

From: [Jennifer Woronets](#)
To: [Eric Blischke/R10/USEPA/US@EPA](#); [Chip Humphrey/R10/USEPA/US@EPA](#)
Cc: [ANDERSON_Jim@deg.state.or.us](#); [audiehuber@ctuir.com](#); [Eric Blischke/R10/USEPA/US@EPA](#); [Bob Wyatt; cunninghame@gorge.net](#); [erin.madden@gmail.com](#); [Chip Humphrey/R10/USEPA/US@EPA](#); [JD Williams](#); [Jennifer Peers](#); [Jennifer Woronets](#); [Julie Fox](#); [Julie Weis](#); [Keith Pine](#); [Kristine Koch/R10/USEPA/US@EPA](#); [lisa.bluelake@grandronde.org](#); [MCCLINCY Matt](#); [McKenna, Jim](#); [Michael Karnosh](#); [Rick Applegate](#); [Robert Neely](#); [Rose Longoria](#); [ryan@davissudbury.com](#); [sheila@ridolfi.com](#); [Bob Wyatt](#); [david.ashton@portofportland.com](#); [wolffg@plu.edu](#); [J Betz](#); [Jennifer Woronets](#); [Jim.McKenna@portofportland.com](#); [karen.traeger@total.com](#); [Patty Dost \Schwabe\](#); [Rick Applegate](#); [Steve Parkinson](#); [Keith Pine](#); [Jennifer Woronets](#)
Subject: FW: Revised Areas for Evaluation in the FS
Date: 06/05/2009 03:24 PM
Attachments: [FIG1 - FS Areas.pdf](#)

Eric, Chip,

Please see below and attached from Carl.

Thank you,
Jen Woronets ☺
Anchor QEA, LLC
jworonets@anchoragea.com
6650 SW Redwood Lane, Suite 333
Portland, OR 97224
503-670-1108 Ext 24
503-670-1128 Fax

Anchor and QEA recently merged. Please note our new company name and email addresses.



Please consider the environment before printing this email.

The information is intended to be for the use of the individual or entity named above. If you are not the intended recipient, please be aware that any disclosure, copying, distribution or use of the contents of this information is prohibited. If you have received this electronic transmission in error, please notify us by electronic mail at jworonets@anchoragea.com

From: Carl Stivers
Sent: Friday, June 05, 2009 3:09 PM
To: Jennifer Woronets
Cc: Keith Pine; Amanda Shellenberger
Subject: Revised Areas for Evaluation in the FS

Chip and Eric – Please find attached a map showing proposed FS evaluation areas following the mapping rules that were discussed at the end of last week's AOPC meeting. These rules are:

1. Map Small Mouth Bass Total PCB PRG at a 10^{-4} cancer risk level using the by-river mile hill topping approach. The PRG equates to 29.54 ug/kg dry weight total PCBs achieved on a SWAC basis by river mile. Use a replacement value equal to the PRG in the hill topping routine.
2. Map a site-wide hilltop that provides a site-wide target SWAC of 17 ug/kg Total PCBs, which represents one estimate of background. Use 17 ug/kg as the replacement value in the hill topping routine.
3. Map the tribal fisher direct contact PRG for 10^{-6} cancer risk; hill topping by direct contact sub areas. This PRG equates to a benzo(a)pyrene concentration of 423.25 ug/kg dry weight.
4. Add the "common" Probable Benthic Risk Areas, which are the areas that both EPA and LWG currently agree have benthic risks.
5. Once all of the above PRGs are mapped, hand clip any outer areas that extend beyond EPA's draft AOPC boundaries.

LWG also tentatively agreed to map a clam consumption PRG for benzo(a)pyrene. However, EPA later clarified that the direct contact PRG was sufficient for benzo(a)pyrene and that the clam consumption PRG should not be mapped at this time.

Note that as discussed at the meeting, additional benthic risk areas may eventually be included in the FS evaluation areas map subject to future discussions on benthic risk methods. These discussions could impact the presence and size of some evaluation areas particularly in the mid-channel area between approximately RM 5 and 6; and the along portions of both shorelines in the approximately RM 3.4 to 5.5 region (i.e., at AOPCs EPA numbered as 2, 4, 7, 8, and 10). We do not think that these changes would be so great as to preclude starting the FS using the attached map.

Also, as we mentioned at the meeting, the attached map is developed using the GIS software we have developed for the project, which differs slightly from some aspects of the GIS tool we provided to EPA earlier in the year (e.g., slightly different hill top sub areas in some cases and some extreme high non-detects screened out). However, we believe these differences would only cause very minor differences in the appearance of any areas on the map and such details can be worked out at a later date consistent with an overall agreement on FS evaluation areas.

Please let us know if you have any questions.

Carl

Carl Stivers

ANCHOR QEA, LLC

cstivers@anchoragea.com

23 S. Wenatchee Ave, Suite 120

Wenatchee, WA 98801

Phone: 509.888.2070

Fax: 509.888.2211

Anchor and QEA recently merged. Please note our new company name and email addresses.

ANCHOR QEA, LLC

www.anchoragea.com

Please consider the environment before printing this email.

This electronic message transmission contains information that may be confidential and/or privileged work product prepared in anticipation of litigation. The information is intended for the use of the individual or entity named above. If you are not the intended recipient, please be aware that any disclosure, copying distribution or use of the contents of this information is prohibited. If you have received this electronic transmission in error, please notify us by telephone at (206) 287-9130.